AL-V-A-274

Kaiser Refractories Zihlman Private

1902

Kaiser Refractories is a clay/alumina brick plant on the northern side of Route 36 in Zihlman, MD. The plant office is a $1\frac{1}{2}$ story brick structure. It rests on a cement foundation and has a hipped roof with a gabled dormer.

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MARYLAND HISTORICAL TRUST

AL-V-A-274

MAGI #0111875716

INVENTORY FORM FOR STATE HISTORIC SITES SURVEY M

1 NAME					
HISTORIC					
Big Sa	avage Fire Brick Compa	ıny			
AND/OR COMMON					
Kaiser	Refractories				
2 LOCATION	I				
STREET & NUMBER					
Rt. 36					
CITY, TOWN			CONGRESSIONAL DISTRICT		
Zihlma STATE	Zihlman VICINITY OF		6th		
	Maryland		county Allegany County		
3 CLASSIFIC				<u> </u>	
CATEGORY	OWNERSHIP	STATUS			
DISTRICT	PUBLIC	_OCCUPIED	PRESAGRICULTURE	ENTUSE	
J BUILDING(S)	X PRIVATE	UNOCCUPIED	COMMERCIAL	MUSEUM PARK	
A STRUCTURE	BOTH	WORK IN PROGRESS	EDUCATIONAL	PRIVATE RESIDENC	
SITE	PUBLIC ACQUISITION	ACCESSIBLE	ENTERTAINMENT	RELIGIOUS	
OBJECT	IN PROCESS	YES: RESTRICTED	GOVERNMENT	SCIENTIFIC	
	BEING CONSIDERED	YES: UNRESTRICTED	INDUSTRIAL	TRANSPORTATION	
		1 (10)	MILITARY	_OTHER:	
4 OWNER OF	PROPERTY				
NAME			Telephone #:		
STREET & NUMBER			rerephone #.		
CITY, TOWN			STATE . 7	ip code	
		VICINITY OF		ap code	
5 LOCATION	OF LEGAL DESCR	IPTION	Til		
COURTHOUSE			Liber #:		
REGISTRY OF DEEDS, E	TC. Allegany County (Courthouse	Folio #:		
STREET & NUMBER					
C:TV TOWN	30 Washington St	reet			
CITY TOWN			STATE		
c DEDDECENS	Cumberland	NO CURINITIES	Maryland 215	02	
	TATION IN EXISTI	NG SURVEYS			
TITLE					
DATE					
		FEDERAL .	_STATE _COUNTY _LOCAL		
DEPOSITORY FOR					
SURVEY RECORDS					
CITY, TOWN			STATE		



CONDITION

CHECK ONE

CHECK ONE

ALI 1 57

_EXCELLENT _GOOD _FAIR __DETERIORATED
__RUINS
__UNEXPOSED

XALTERED

__ORIGINAL SITE
__MOVED DATE_____

DESCRIBE THE PRESENT AND ORIGINAL (IF KNOWN) PHYSICAL APPEARANCE

Kaiser Refractories is a clay/alumina brick plant on the northernside of Route 36 in Zihlman, Md. Recent expansion and moderization of the plant have drastically altered its appearance. The plant office is a $1\frac{1}{2}$ story brick structure. It rests on a cement foundation and has a hipped roof with a gabled dormer. A similar plant in Mount Savage, the Mount Savage Refractories, has retained more of its original appearance.

SPECIFIC DATES		BUILDER/ARCHITECT			
		_INVENTION			
4 1900-	COMMUNICATIONS	INDUSTRY	POLITICS/GOVERNMENT	_OTHER (SPECIFY)	
▽ ¹⁸⁰⁰⁻¹⁸⁹⁹	COMMERCE	EXPLORATION/SETTLEMENT	PHILOSOPHY	TRANSPORTATION	
1700-1799	ART	ENGINEERING	MUSIC	THEATER	
1600-1699	ARCHITECTURE	EDUCATION	MILITARY	SOCIAL/HUMANITARIAN	
1500-1599	VAGRICULTURE	ECONOMICS	LITERATURE	SCULPTURE	
1400-1499	ARCHEOLOGY-HISTORIC	CONSERVATION	LAW	SCIENCE	
PREHISTORIC	ARCHEOLOGY-PREHISTORIC	COMMUNITY PLANNING	LANDSCAPE ARCHITECTURE	RELIGION	
PERIOD	AREAS OF SIGNIFICANCE CHECK AND JUSTIFY BELOW				

STATEMENT OF SIGNIFICANCE

The Kaiser Refracrories plant at Zihlman "was built in 1902 by the Big Savage Fire Brick Company to take advantage of proven and valuable clay reserves on the property." 1

12-1-1-2-T

9 MAJOR BIBLIOGRAPHICAL REFERENCES

1"Kaiser Refractoris Frostburg Profile", privately published by the Kaiser Aluminum and Chemical Co., 1979.

CONTINUE ON SEPARATE SHEET IF NECESSA	ARY
10 GEOGRAPHICAL DATA	
ACREAGE OF NOMINATED PROPERTY	
VERBAL BOUNDARY DESCRIPTION	· · · · · · · · · · · · · · · · · · ·
LIST ALL STATES AND COUNTIES FOR PROPERTIES OV	ERLAPPING STATE OR COUNTY BOUNDARIES
STATE	YTNL
STATE COL	UNTY
11 FORM PREPARED BY	
NAME / TITLE	
David A. Dorsey, Historic Sites Survey	or .
ORGANIZATION	DATE
Maryland Historical Trust/Bureau of M	ines May 1982
21 State Circle, Shaw House	(301) 269–2438
CITY OR TOWN	STATE
Annapolis	Maryland 21401

The Maryland Historic Sites Inventory was officially created by an Act of the Maryland Legislature, to be found in the Annotated Code of Maryland, Article 41, Section 181 KA, 1974 Supplement.

The Survey and Inventory are being prepared for information and record purposes only and do not constitute any infringement of individual property rights.

RETURN TO: Maryland Historical Trust
The Shaw House, 21 State Circle

Annapolis, Maryland 21401

(301) 267-1438





Frostburg Profile

History

The Frostburg plant was built in 1902 by the Big Savage Fire Brick Company to take advantage of proven and valuable clay reserves on the property. In 1938 the plant was purchased by National Refractories, a subsidiary of Mexico Refractories, and was managed by that company until 1959 when Kaiser Refractories merged with Mexico Refractories. In 1967 new facilities were added by Kaiser Refractories, supplementing the plant's production of fireclay brick products with a complete line of specialty refractories.

Investment to Date Principal Production Units

\$6.7 million.

Principal Products and Annual Capacities Principal Industries Served Clay/alumina brick plant; clay/alumina specialties plant.

Employment

63,000 tons of clay/alumina brick; 29,000 tons of clay/alumina specialties.

Steel, glass, cement.

The plant has a year-round work force of approximately 165 employees, and an annual payroll, including fringe benefits, of about \$3 million.

Land Area

Extensive mining properties; and 48 acres of plant area, of which 225,000 square feet is under roof.

Annual Economic Impact
On Community

Approximately \$6.8 million (including salaries and benefits to employees; the purchase of supplies, utilities, and services; freight charges; and state and local taxes).

Ownership

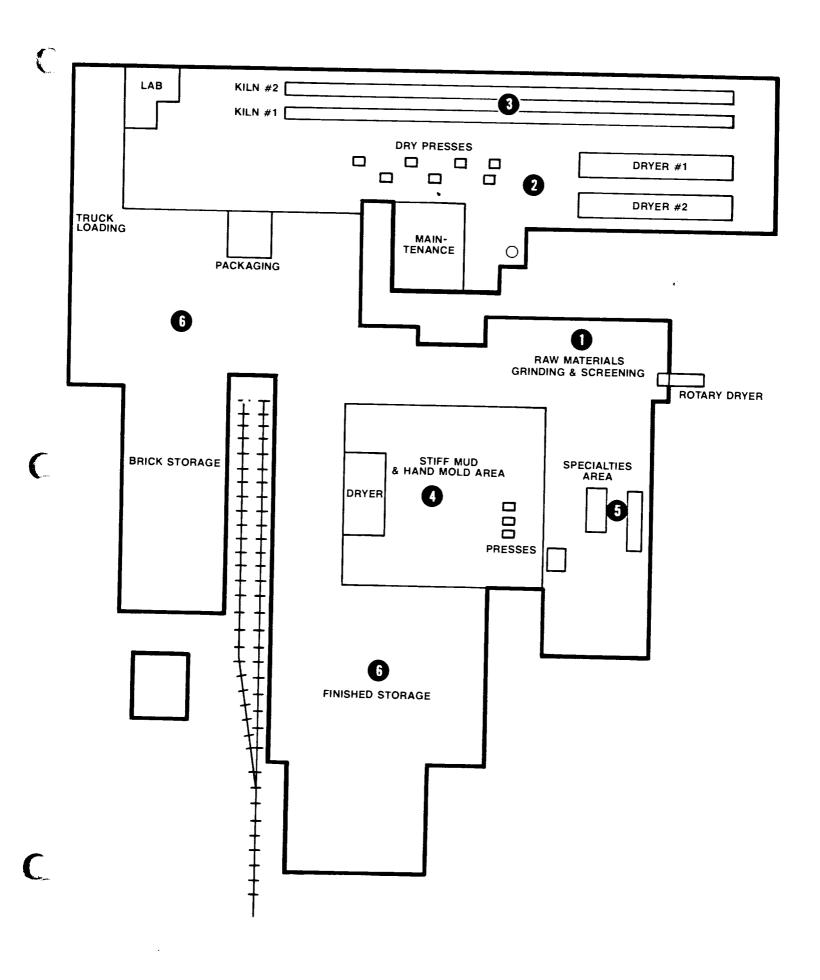
Kaiser Refractories is a division of Kaiser Aluminum & Chemical Corporation, Oakland, California.

International Scope

The Frostburg plant is one of eight manufacturing facilities in the United States operated by Kaiser Refractories. The company also owns, either in whole or in part, six additional plants outside the U.S.

- Raw Materials Processing The primary raw materials used at Frostburg are high-grade refractory clays (most of which are mined at the plant's Ohiopyle mine, about 45 miles from the plant site), and imported bauxite. Both enter the plant here, where they are crushed and sized to specification.
- **Dry Presses and Dryers** Here mixtures of clays and bauxite are formed into brick by one of seven Boyd presses. Each press exerts up to 500 tons of pressure and can make up to 28 brick a minute. After the brick are formed they move through continuous tunnel dryers where moisture is removed.
- Tunnel Kilns Leaving the dryers, all brick at Frostburg are then sent through one of the plant's two 400-foot-long tunnel kilns. Firing in kilns eliminates chemically combined water and develops a ceramic bond between the refractory aggregates which contributes to such physical properties as density, porosity, and strength. Temperatures inside the kilns in which the brick stay for up to three days peak at about 2500 degrees Fahrenheit.

- Stiff Mud and Hand Mold Area In stiff mud refractory production varying mixtures of clays are tempered and then extruded. The column of clay produced is then sliced with wire into desired lengths and formed by one of three presses. Brick produced in this manner are dried for 48 hours in adjacent dryers and fired in a tunnel kil small percentage of refractory shapes at Frostburg are made by the hand mold process. These shapes are also dried and then fired in a tunnel kiln. Stiff mud brick are denser than those made on dry presses, while hand molding is used where particularily intricate shapes are required, or for especially small orders.
- Specialties Area Refractory specialties are non-brick products plastics, ramming mixes, castables, mortars, and gunning mixes, as examples which may be used for initial furnace linings, for maintenance purposes, and to bond brick. Specialty materials are sacked in granular form or otherwise packaged for application at the customer's plant. In addition to supplying packaged specialties, Frostburg sells and rents equipment for applying specialties and trains customers in application technology.
- Packaging and Shipping Using standard procedures set forth by the Refractories Institute, brick are palletized according to specified counts, and then wrapped in a shrink film or a cardboard-banded package based on customer preference. In addition to normal domestic produres, stringent export packaging requirements also must be met. All refractory products leaving Frostburg are protected in transit to prevent breakage or contamination.





WORLD HEADQUARTERS

300 Lakeside Drive, Oakland, CA 94643, U.S.A.

Cable: KAISEREF Telex: 335315

DISTRICT SALES OFFICES (U.S.A.)

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Tulsa **OREGON Portland**

PENNSYLVANIA Pittsburgh Plymouth Meeting

TEXAS

Houston UTAH Springville WASHINGTON Tacoma



SUBSIDIARIES

AUSTRALIA

Kaiser Refractories, Division of Kaiser Aluminum & Chemical Corporation (Australia) Limited, Unanderra, N.S.W.

Kaiser Refractories, Division of Kaiser Aluminum & Chemical of Canada Limited. Oakville, Ontario

LICENSEES

ARGENTINA KICSA Industrial y Comercial S.A., Buenos Aires **FRANCE** KER France S.A., Paris **SWEDEN** Bohlin & Lofgren AB, Goteborg UNITED KINGDOM KER (U.K.) Limited, Leeds **JAPAN**

Nippon Reona Company, Ltd.

Click here for a plain text ADA compliant screen.

Maryland Department of Assessments and Taxation ALLEGANY COUNTY Real Property Data Search

Go Back View Map **New Search**

Account Identifier:

District - 30 Account Number - 002806

Owner Information

Owner Name:

MT SAVAGE REFRACTORIES CO

A DEL CORP

Use:

INDUSTRIAL

Principal Residence:

Mailing Address:

5741 CENTRE AVE

PITTSBURGH PA 15206-3707

Deed Reference:

1) / 559/ 595

2)

NO

Location & Structure Information

Premises Address

ROUTE 36 ROAD FROSTBURG 21532 Zoning

Legal Description

28.608A

RT 36 COR SUGAR ROW RD

ZIHLMAN

Sub District Subdivision Section Block Lot Group Plat No: Grid Map Parcel Plat Ref: 81 13 19 330

Town

Special Tax Areas

Ad Valorem Tax Class

Primary Structure Built Enclosed Area Property Land Area County Use 28.60 AC 0000 **Stories Basement** Type **Exterior**

Value Information

Value **Phase-in Assessments** Base Value As Of As Of As Of 01/01/2002 07/01/2003 07/01/2004 Land: 65,300 65,300 Improvements: 449,400 449,400 514,700 514,700 Total: 514,700 514,700 **Preferential Land:**

Transfer Information

KAISER ALUMINUM & CHEMICAL CORP Date: 10/09/1986 Price: \$100,000 Deed1: / 559/ 595 NOT ARMS-LENGTH Deed2: Type:

Seller: Date: Price: Deed2: Deed1: Type: Seller: Date: Price: Deed1: Deed2: Type:

Exemption Information

Partial Exempt Assessments Class 07/01/2003 07/01/2004 County 000 0 0 State 000 0 0 Municipal 000 0 0

Tax Exempt: **Exempt Class:** NO

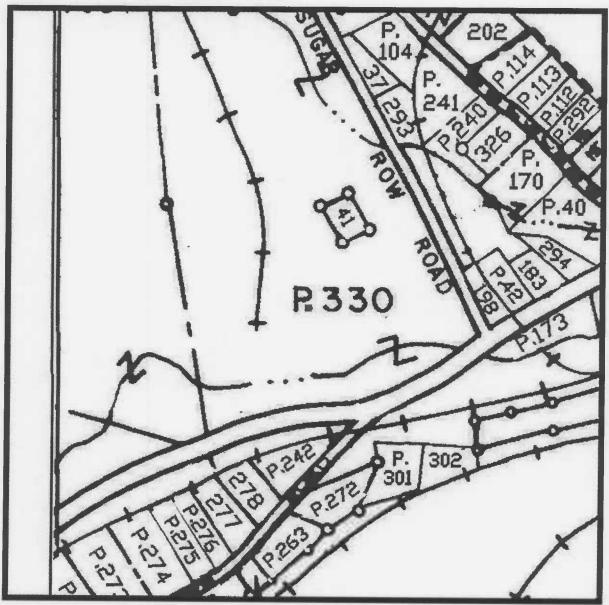
Special Tax Recapture:

* NONE *

Maryland Department of Assessments and Taxation ALLEGANY COUNTY Real Property Data Search

Go Back View Map New Search

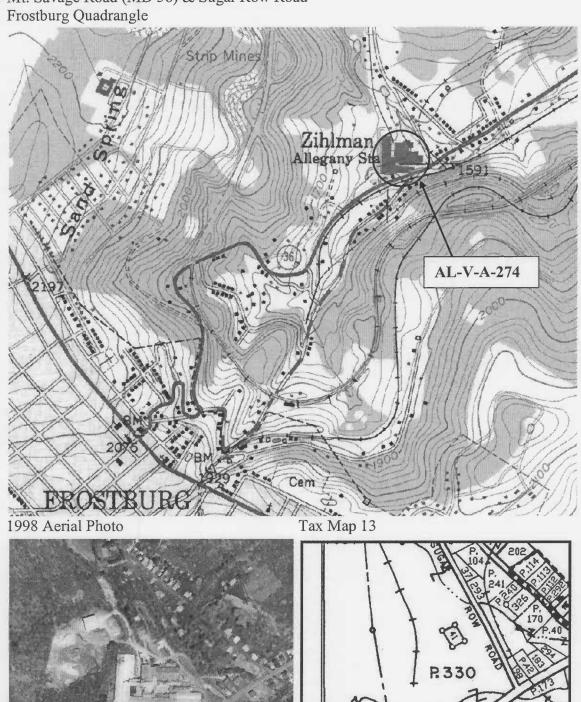
District - 30 Account Number - 002806



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AL-V-A-274 Kaiser Refractories (Big Savage Fire Brick Company) Mt. Savage Road (MD 36) & Sugar Row Road Frostburg Quadrangle





AL-V-A-274
Kaiser Refractories
Allegany Co., MD
David A. Dorsey 10/80
Looking West